

**Material Safety Data sheet****Section 1: Product and Company Information**

<b>Product Name</b>	LB Agar (Miller)		
<b>Catalogue Number</b>	i23082	<b>Technical Phone</b>	0098 21 66787291
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<b>Company Address</b>	Zist Kavosh Iranian, No.432, East Kokab Av,45 Metri Golshahr, Karaj, Iran.		

**Section 2: Hazards Identification****Classification of the substance or mixture**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

**GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

**Hazards not otherwise classified (HNOC) or not covered by GHS**

none

**Section 3: Composition / Information on Ingredients****Mixture** No components need to be disclosed according to the applicable regulations.**Section 4: First Aid Measures****Description of first-aid measures****If inhaled** After inhalation: fresh air.**In case of skin contact** In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.**In case of eye contact** After eye contact: rinse out with plenty of water. Remove contact lenses.**If swallowed** After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

No data available

**Section 5: Fire Fighting Measures****Extinguishing media****Suitable extinguishing media**Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder.**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

**Special hazards arising from the substance or mixture**

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Carbon oxides  
Hydrogen chloride gas  
Sodium oxides  
Mixture with combustible ingredients.  
Fire may cause evolution of:  
Hydrogen chloride gas  
Development of hazardous combustion gases or vapors possible in the event of fire.

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**Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

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**Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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**Section 6: Accidental Release Measures**

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**Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

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**Environmental precautions**

Do not let product enter drains.

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**Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

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**Reference to other sections**

For disposal see section 13.

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**Section 7: Handling and Storage**

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**Precautions for safe handling**

For precautions see section 2.

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**Conditions for safe storage, including any incompatibilities**

<b>Storage conditions</b>	Tightly closed. Dry. Recommended storage temperature see product label.
<b>Storage class</b>	Storage class (TRGS 510): 11: Combustible Solids

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**Section 8: Exposure Controls / Personal Protection**

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**Control parameters**

**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

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**Exposure controls**

**Appropriate engineering controls**

Change contaminated clothing. Wash hands after working with substance.

**Personal protective equipment**

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

**Skin protection**

Full contact  
Material: Nitrile rubber  
Minimum layer thickness: 0.11 mm  
Break through time: > 480 min  
Material tested:KCL 741 Dermatrill® L

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: > 480 min

Material tested:KCL 741 Dermatril® L

**Respiratory protection**

required when dusts are generated.

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Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

**Control of environmental exposure**

Do not let product enter drains.

**Section 9: Physical and Chemical Properties**

Physical state	solid
Color	light yellow, to, brown
Odor	No data available
Odor Threshold	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	No data available
Evaporation rate	No data available
Vapor pressure	No data available
Vapor density	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	6.8 - 7.2 at 25 °C (77 °F) - (after autoclaving)
Viscosity	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Density	No data available
Relative density	No data available
Explosive properties	Not classified as explosive.
Oxidizing properties	none
<b>Other safety information</b>	No data available

## Section 10: Stability and Reactivity

### Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

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### Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

### Possibility of hazardous reactions

Violent reactions possible with: Strong oxidizing agents

### Conditions to avoid

no information available

### Incompatible materials

No data available

### Hazardous decomposition products

In the event of fire: see section 5

## Section 11: Toxicological Information

### Information on toxicological effects

#### Mixture

<b>Acute toxicity</b>	Oral: No data available Inhalation: No data available Dermal: No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Additional Information</b>	Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

## Section 12: Ecological Information

### Toxicity

**Mixture** No data available

**Persistence and degradability** No data available

**Bio accumulative potential** No data available

**Mobility in soil** No data available

**Results of PBT and vPvB assessment** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

<b>Endocrine disrupting properties</b>	No data available
<b>Other adverse effects</b>	No data available

**Section 13: Disposal Consideration**

**Waste treatment methods**

**Product**

Offer surplus and non- recyclable solutions to a licensed company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information**

<b>TDG</b>	Not regulated as a dangerous good
<b>IMDG</b>	Not dangerous goods
<b>IATA</b>	Not dangerous goods
<b>Further information</b>	Not classified as dangerous in the meaning of transport regulations.

**Section 15: Regulatory Information**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**Section 16: Other Information**

**DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

**WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. *ibresco* shall not be held liable for any damage resulting from handling or from contact with the above product.

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